

FIG. 3

Figure 10 is a line graph showing the Noise standard deviation (codevalues) on the Y-axis (ranging from 0 to 10) versus the Signal level (codevalues) on the X-axis (ranging from 0 to 255). Three curves are plotted: Blue, Green, and Red. The Blue curve shows the highest noise, increasing significantly at higher signal levels, while the Green and Red curves show lower, more stable noise levels. Handwritten annotations indicate specific noise values for each channel at a signal level of 198: Blue is 44, Green is 42, and Red is 40.

| Signal level (codevalues) | Blue Noise std. dev. (codevalues) | Green Noise std. dev. (codevalues) | Red Noise std. dev. (codevalues) |
|---------------------------|-----------------------------------|------------------------------------|----------------------------------|
| 0 | ~3.0 | ~2.8 | ~2.8 |
| 28 | ~3.2 | ~3.0 | ~3.0 |
| 57 | ~3.5 | ~3.2 | ~3.2 |
| 85 | ~3.8 | ~3.5 | ~3.5 |
| 113 | ~3.5 | ~3.2 | ~3.2 |
| 142 | ~3.2 | ~3.0 | ~3.0 |
| 170 | ~4.0 | ~3.2 | ~3.2 |
| 198 | 44 | 42 | 40 |
| 227 | ~7.5 | ~3.8 | ~3.5 |
| 255 | ~9.0 | ~4.5 | ~3.8 |

Fig. 5

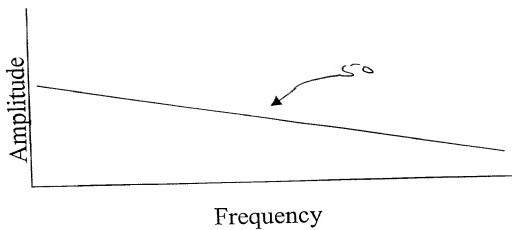


FIG. 6

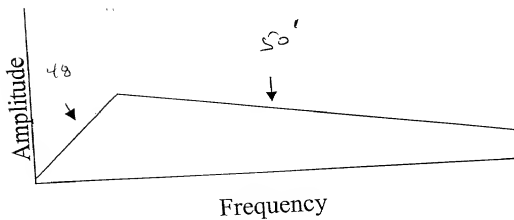


FIG. 7

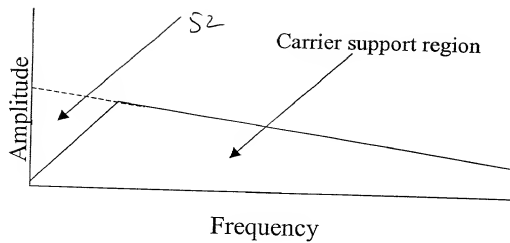


Fig. 8